

of 1:0.5-1:20 (preferably 1:1-1:4).

Preferred Process: The ingredients of the inclusion complex are preferably co-ground in a high-energy mill.

ABEX UPTX: 19991116

SPECIFIC COMPOUNDS - The water-soluble complexing agents are alpha, beta, gamma-cyclodextrin or their derivatives, or sodium carboxymethylamide. The hydrophilic linear polymers are **polyvinylpyrrolidone** (PVP), cellulose and their derivatives. The swelling reticulated polymers insoluble in water are reticulated **polyvinylpyrrolidone** (PVP XL), reticulated cyclodextrins, reticulated carboxymethylamide or dextrans.

ADMINISTRATION - Administration is oral, buccal (both claimed), parenteral, rectal, nasal, ocular or vaginal. The composition may be formulated in hard-gelatin or soft-gelatin capsules; rapid-dissolution, coated, sugar-coated, slow-release, enteric-coated or lyophilized **tablets**; granulates; suppositories; and solutions such as nasal sprays, drops or syrups (claimed). Dosage is 0.1-100 (preferably 1-10) mg per day.

EXAMPLE - Melatonin (232 g) and beta-cyclodextrin (5130 g) in a 1:4 molar ratio were dry mixed and transferred into a high-energy mill for 4 hours. The grinding time was set according to the degree of amorphism and the desired residual crystallinity. The product was poured and sieved on a 5000-mesh sieve.

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(FILE 'HOME' ENTERED AT 13:23:11 ON 10 AUG 2005)
SET COST OFF

FILE 'HCAPLUS' ENTERED AT 13:23:19 ON 10 AUG 2005

L1 1 S US20050159492/PN OR (US2004-505138# OR WO2003-EP1650 OR DE200
L2 27222 S POLYVINYLPIRROLIDON? OR POLY() (VINYLPIRROLIDON? OR VINYL PYRR
L3 1309 S POLY()N() (VINYLPIRROLIDON? OR VINYL PYRROLIDON?)

FILE 'REGISTRY' ENTERED AT 13:28:10 ON 10 AUG 2005

L4 1 S 9003-39-8
L5 1 S 88-12-0
L6 1 S 9036-21-9

FILE 'HCAPLUS' ENTERED AT 13:29:01 ON 10 AUG 2005

L7 29637 S L4 OR L5
L8 38236 S L2,L3,L7
L9 5890 S L6
L10 1649 S (PDE OR PHOSPHODIESTERASE OR PHOSPHO DIESTERASE OR PHOSPHO DI
L11 26426 S PDE OR PHOSPHODIESTERASE OR PHOSPHO DIESTERASE OR PHOSPHO DI
L12 989 S PDE4 OR PDEIV
L13 26605 S L9-L12
L14 32 S L8 AND L13
E DIETRICH R/AU
L15 148 S E3-E8,E12
E NEY H/AU
L16 16 S E3,E4
E EISTETTER K/AU
L17 50 S E3,E4
E EISTETER K/AU
L18 2 S L1,L15-L17 AND L14
L19 1796 S POVIDONE
L20 9 S POVIDON

jan delaval - 10 august 2005

L21 39246 S L19,L20,L8
L22 33 S L21 AND L13
L23 2 S L15-L17,L1 AND L22
SEL RN L1

FILE 'REGISTRY' ENTERED AT 13:33:22 ON 10 AUG 2005

L24 3 S E1-E3
L25 STR
L26 50 S L25 CSS
L27 3683 S L25 CSS FUL
SAV L27 SILVER505/A
L28 STR L25
L29 10 S L28 CSS SAM SUB=L27
L30 248 S L28 CSS FUL SUB=L27
SAV L30 SILVER505A/A
L31 STR L25
L32 STR L31
L33 2 S L32 CSS SAM SUB=L30
L34 145 S L32 FUL SUB=L30
SAV L34 SILVER505B/A
L35 74 S L30 AND NC5/ES
L36 52 S L35 AND 1/NC
L37 2 S L36 AND (C27H24N2O4 OR C29H34N2O3)
L38 50 S L36 NOT L37
L39 22 S L35 NOT L36
L40 4 S L39 NOT MXS/CI
L41 18 S L39 NOT L40
L42 2 S L24 AND L27
L43 198 S L34,L38,L40,L42
SAV L43 SILVER505C/A

FILE 'HCAOLD' ENTERED AT 14:03:53 ON 10 AUG 2005

L44 0 S L43

FILE 'HCAPLUS' ENTERED AT 14:03:57 ON 10 AUG 2005

L45 224 S L43
L46 19197 S ROFLUMILAST OR BYK20869 OR BYK() (20869 OR 20 869) OR BY217 OR
L47 88 S RP73401 OR RP() (73401 OR 73 401)
L48 43 S PICLAMILAST
L49 19339 S L45-L48
L50 52 S L21 AND L49
L51 2 S L15-L17,L1 AND L50
L52 2 S L23,L51
L53 82 S L22,L50
L54 67 S L53 AND (PD<=20030219 OR PRD<=20030219 OR AD<=20030219)
L55 10891 S PVP OR POLYVIDON# OR POLY VIDON#
L56 8 S L55 AND L13
L57 18 S L55 AND L49
L58 1 S L1,L15-L17 AND L56,L57
L59 2 S L52,L58
L60 22 S L56,L57 AND (PD<=20030219 OR PRD<=20030219 OR AD<=20030219)
L61 74 S L54,L60
L62 13 S L61 AND ?TABLET?
L63 11 S L62 NOT L59
SEL DN AN 4 8
L64 2 S L63 AND E4-E9
L65 3 S (CROSPVIDON# OR CROS POVIDON#) AND L13
L66 0 S (CROSPVIDON# OR CROS POVIDON#) AND L49
SEL DN AN 2 L65
L67 1 S L65 AND E10-E12

L68 4 S L59,L64,L67 AND L1-L3,L7-L23,L45-L67
L69 123 S L49 AND IMMEDIAT?(L) (RELEAS? OR ACT?)
L70 19 S L69 AND INHIBIT?
SEL DN AN 7 6 L70
L71 2 S L70 AND E13-E18
E DRUG DELIVERY/CT
L72 10916 S E7+OLD,NT (L) CONTROL? RELEAS?
L73 462 S E7+OLD,NT (L) IMMEDIAT? RELEAS?
L74 11 S L72,L73 AND L49
SEL DN AN 5 6
L75 2 S L74 AND E1-E6
L76 6 S L68,L71,L75 AND L1-L3,L7-L23,L45-L75
SEL HIT RN

FILE 'REGISTRY' ENTERED AT 15:18:41 ON 10 AUG 2005

L77 4 S E7-E10

FILE 'REGISTRY' ENTERED AT 15:19:12 ON 10 AUG 2005

FILE 'HCAPLUS' ENTERED AT 15:19:54 ON 10 AUG 2005

FILE 'WPIX' ENTERED AT 15:21:29 ON 10 AUG 2005

L78 20202 S L2/BI,ABEX OR L3/BI,ABEX OR L19/BI,ABEX OR L20/BI,ABEX OR L55
L79 5531 S (A04-D05 OR A04-D05A)/MC
E PVP/DCN
E POLYVINYL/DCN
E E8+ALL
L80 2450 S E2 OR 0546/DRN
L81 22276 S L78-L80
L82 1 S L1
E POLYVINYL/CN
L83 2 S E18,E19
L84 2710 S RA00D5/DCN
L85 22460 S L81,L84
L86 3043 S L10/BI,ABEX OR L11/BI,ABEX OR L12/BI,ABEX
E PHOSPHODIESTERASE/CN
L87 3646 S L46/BI,ABEX OR L47/BI,ABEX OR L48/BI,ABEX
E ROFLUMILAST/CN
L88 2 S E3-E5
SEL SDCN
EDIT /SDCN /DCN
L89 74 S E1-E2
L90 22 S L84 AND L86-L89
L91 11 S L90 AND ?TABLET?/BI,ABEX
E A61K009-20/IC,ICM,ICS
L92 7 S L90 AND E3-E30
L93 7 S L90 AND R038/M0,M1,M2,M3,M4,M5,M6
L94 6 S L90 AND (B12-M11? OR C12-M11?)/MC
L95 13 S L91-L94
L96 9 S L90 NOT L95
SEL DN AN 5
L97 1 S E1-E2 AND L96
L98 14 S L82,L95,L97
L99 14 S L98 AND ?PYRROLID?/BI,ABEX

FILE 'WPIX' ENTERED AT 15:33:16 ON 10 AUG 2005

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